

Title (en)
Inkjet nozzle with electromagnetic shutter

Title (de)
Tintenstrahldüse mit elektromagnetischem Verschluss

Title (fr)
buse à jet d'encre avec obturateur électromagnétique

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Abstract (en)
[origin: EP1512535A1] An ink jet printing nozzle apparatus comprising: a nozzle chamber in fluid communication with an ink chamber and utilized for the storage of ink to be printed out by said nozzle apparatus, said nozzle chamber having a nozzle chamber outlet hole for the ejection of ink from said nozzle chamber; a magnetic piston located over an aperture in said nozzle chamber; and an activation coil located adjacent to said magnetic piston, said coil upon activation by a current applying a force to said piston sufficient to cause movement of said piston from a first position to a second position, said movement causing ink within said nozzle chamber to be ejected from said nozzle chamber through a nozzle chamber outlet hole onto print media. <IMAGE>

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